

ORRES. CONTROL  
INCOMING LTR NO.

2628 RF 93

DUE  
DATE

ACTION

NAME	INITIALS	DATE
ENEDOTTI, R.L.		
ENJAMIN, A.		
ERMAN, H.S.		
ARNIVAL, G.J.		
OPP, R.D.		
ORDOVA, R.C.		
AVIS, J.G.		
ERRERA, D.W.		
ANNI, B.J.		
EALY, T.J.		
EDAH, T.G.		
ILBIG, J.G.		
IRBY, W.A.		
UESTER, A.W.		
EE, E.M.		
ANN, R.P.		
ARX, G.E.		
ICKENNA, F.G.		
ORGAN, R.V.		
IZZUTO, V.M.		
OTTER, G.L.		
ILEY, J.H.		
ANDLIN, N.B.		
ATTERWHITE, D.G.		
CHUBERT, A.L.		
ETLOCK, G.H.		
HEPLER, R.L.		
ULLIVAN, M.T.		
WAINSON, E.R.		
ILKINSON, R.B.		
ILSON, J.M.		
ANE, J.O.		

Keith SX  
Baile RIX  
Ledford AX

TAVERN RIX

ORRES CONTROL	x	x

Reviewed for Addressee  
Corres. Control RFP

5-18-93  
DATE BY

Ref Ltr. #

Department of Energy

ROCKY FLATS OFFICE  
P.O. BOX 928  
GOLDEN, COLORADO 80402-0928

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JUN 18 1 53 PM '93

EG&G  
ROCKY FLATS PLANT  
CORRESPONDENCE CONTROL 93-DOE-06961

JUN 17 1993

Mr. Gary Baughman  
Hazardous Waste Facilities Unit Leader  
Colorado Department of Health  
4300 Cherry Creek Drive South  
Denver, Colorado 80222-1530

Dear Mr. Baughman:

The Building 910 Evaporators are nearing the start of Process Qualification Testing (Hot System Operational [SO] Testing). The start of this test series is currently scheduled for June 17, 1993. As you may be aware, all three evaporator systems were plagued with leaks of varying magnitudes during the Cold SO test phase. Members of your staff were apprised of the leaks and the planned repairs in the May 1993 monthly informational meeting. The leaking was due to the various types of joints incorporated into the design of an off the shelf portable evaporator adapted to, and incorporated into a permanent facility as called for in the Interim Measure/Interim Remedial Action (IM/IRA) Document. The main cause of the leaking was due to the thermal expansion of dissimilar materials (metal to plastic) during process start up. The leaks have been repaired or the fittings replaced. Metal to plastic threaded connections were replaced with flanges, other threaded connections were re-doped or welded. Extensive cold SO testing was conducted, and is continuing, subsequent to the repairs.

Despite our best efforts, several small leaks, dubbed "weeps," have persisted. During operations, especially at the start up and shut down thermal cycling, one to several fittings will intermittently weep; that is, moisture ranging from surface moisture to a few drops will form at the connection. The majority of these weeps are in the distillate systems. All three evaporators exhibit this condition. We have discussed the weeps with the vendor and with other users of Licon equipment, and have determined that the weeps are an inherent part of the operation of these units. No safety concerns arise from the weeps.

It is our plan, based on experience gained during the Building 910 Cold SO testing, that we will incorporate specific actions, such as continual monitoring and inspection, during operations to ensure that the weeps are controlled and that any actual leaks are promptly identified and dealt with appropriately. Persistent weeping connections may eventually be replaced with solid welded piping depending on amount of leakage, past history of the leaks, etc. These will be dealt with on a case-by-case basis.

ADMIN RECORD

A-OU04-000222

G. Baughman  
93-DOE-06961

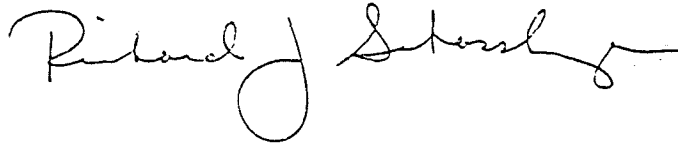
JUN 17 1993

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In addition we have completed an RFO Readiness Assessment to determine EG&G's readiness to proceed with the process qualification testing and operations. This readiness assessment reviewed the areas of Program Management, Regulatory Compliance, Design, Test and QA, Operations, Safety and Training, with special emphasis on design, testing and operations conducted by an outside contractor. The assessment concluded that, with the closure of several scheduled actions, EG&G is ready to commence the process qualification testing, and upon completion proceed to operations. At this time, it is our intent to proceed with the Hot SO Qualification Testing as scheduled, and upon successful qualification, to proceed to full scale operations, currently scheduled to begin on July 27, 1993.

If you have any questions concerning these actions or require additional information please contact me on 966-4888 or Scott R. Surovchak on 966-3551.

Sincerely,



Richard J. Schassburger  
Acting Director  
Environmental Restoration Division

cc:

N. Belencan, EM-453  
J. Hartman, AMTER, RFO  
M. McBride, DAMTER, RFO  
H. Ainscough, CDH  
F. Dowsett, CDH  
M. Hestmark, EPA  
A. Duran, EPA  
R. Benedetti, EG&G  
S. Keith, EG&G  
R. Boyle, EG&G  
A. Ledford, EG&G